WHAT IS CLAIMED IS:

- For use with a condenser unit of an air conditioner, a
 pre-cooling system, comprising:
- a housing coupleable to a top of a condenser of an air
- 4 conditioner, said condenser having a substantially-vertical
- 5 exhaust;
- a valve mounted in said housing and coupleable to a water
- 7 source, said valve capable of operating independently of electrical
- 8 power; and
- 9 a vane coupled to said valve and positionable in said
- 10 substantially-vertical exhaust, said vane having an
- 11 aerodynamically-shaped cross section useable to operate said valve.
 - 2. The pre-cooling system as recited in Claim 1 wherein said
 - 2 aerodynamically-shaped cross section has a leading edge and a
- 3 trailing edge, and wherein said leading edge is substantially
- 4 thicker than said trailing edge.
 - 3. The pre-cooling system as recited in Claim 2 wherein said
- 2 aerodynamically-shaped cross section has an uppersurface and an
- 3 undersurface and wherein said uppersurface is longer than said
- 4 undersurface.

- 4. The pre-cooling system as recited in Claim 1 wherein said vane has a concave undersurface.
- 5. The pre-cooling system as recited in Claim 1 further comprising a water supply tube coupled to said valve and coupleable to said water source.
- 6. The pre-cooling system as recited in Claim 1 further comprising a spray nozzle in fluid communication with said valve.
- 7. The pre-cooling system as recited in Claim 1 further comprising spray tubing interposed said valve and said spray nozzle.
- 8. The pre-cooling system as recited in Claim 1 further comprising a filter coupled to said valve and coupleable to said water source.
- 9. The pre-cooling system as recited in Claim 8 wherein said filter comprises hexametaphosphate.

- 10. A method of manufacturing a pre-cooling system for use
 with a condenser unit of an air conditioner, said method
 comprising:
- providing a housing coupleable to a top of a condenser of an air conditioner, said condenser having a substantially-vertical exhaust;
- mounting a valve in said housing, said valve coupleable to a
 water source and capable of operating independently of electrical
 power; and
- coupling a vane to said valve, said vane having an aerodynamically-shaped cross section and positionable in said substantially-vertical exhaust, said aerodynamically-shaped cross section useable to operate said valve.
 - 11. The method as recited in Claim 10 wherein coupling a vane includes coupling a vane wherein said aerodynamically-shaped cross section has a leading edge and a trailing edge, and wherein said leading edge is substantially thicker than said trailing edge.

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12. The method as recited in Claim 11 wherein coupling a vane includes coupling a vane wherein a straight line drawn between said leading edge and said trailing edge defines a chord of said aerodynamically-shaped cross section, and wherein said chord and a

- 5 direction of said substantially-vertical exhaust define an angle of
- 6 attack of said vane.
- 13. The method as recited in Claim 10 wherein coupling a vane2 includes coupling a vane having a concave undersurface.
- 14. The method as recited in Claim 10 further comprising coupling a water supply tube to said valve, said water supply tube coupleable to said water source.
- 15. The method as recited in Claim 10 further comprisingcoupling a spray nozzle in fluid communication with said valve.
- 16. The method as recited in Claim 10 further comprisinginterposing spray tubing between said valve and said spray nozzle.
- 17. The method as recited in Claim 10 further comprising coupling a filter to said valve, said filer coupleable to said water source.
- 18. The method as recited in Claim 17 wherein interposing a filter includes interposing a filter comprising hexametaphosphate.